



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

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DEC 13 2007  
Air Pollution Division (SAPD)

November 29, 2007

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: Michael Ioff (3AT23)

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Steve Hepler

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 07-0428  
ACHD Reference Number: N/A  
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

Lisa A. Roudabush  
Plant Manager  
Clairton Works

**NOTICE OF OUTAGE OF EQUIPMENT**  
**ARTICLE XXI - SECTION 2108.1**

1. **USS Reference Number:** 07-0428  
**ACHD Reference Number:** N/A
2. **Date & Time of Breakdown:** Date: 11/28/07 Time: 1830 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** Gas Processing Plants
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Coke oven gas suction pressure was lost and coke oven gas was flared on all batteries when the gas processing plants shut down due to a power failure. This prevented the desulfurization of the coke oven gas. Fuel gas was also lost for a period of time. Natural gas was used until a stabilized supply of coke oven gas could be restored.

Date	Battery	Start	End	Duration		Flared	
		Time	Time	Min.	Sec.	Yes	No
10/05/04	1	19:40	20:50	70	00	Yes	
10/05/04	2	19:40	20:50	70	00	Yes	
10/05/04	3	19:40	20:50	70	00	Yes	
10/05/04	7	19:15	20:50	95	00	Yes	
10/05/04	8	19:15	20:50	95	00	Yes	
10/05/04	9	19:15	20:50	95	00	Yes	
10/05/04	13	18:41	20:50	129	00	Yes	
10/05/04	14	18:41	20:50	129	00	Yes	
10/05/04	15	18:41	20:50	129	00	Yes	
10/05/04	19	18:41	20:50	129	00	Yes	
10/05/04	20	18:41	20:50	129	00	Yes	
10/05/04	B	18:41	20:50	129	00	Yes	

8. **Identification of Emissions:**

- A. **Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)**  
Released products of combustion of Coke Oven Gas. Elevated H<sub>2</sub>S in the downriver and under-firing gas line systems, causing increased SO<sub>2</sub> and VOC at point of combustion. This also cause increased emissions from battery emission points; doors, lids, offtakes, charging, & stacks.
- B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO<sub>2</sub> is and VOC could be an eye, nose, and throat irritant.
- C. **Amount of each type emitted (or likely to be emitted).**  
Moderate

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The gas processing systems were brought on line.

10. Facility back in operation - Date: 11/28/07 Time: 2050 hours

Signature Coleen M. Davis Date 12-5-07  
Coleen M. Davis  
Senior Environmental Control Engineer Phone: 412-233-1015